

Figure 1A

>1864683	GGGGCTGTAC	CAGGGCGTGC	CCAGAGCTGA	GCCGGGCACC	GAGGCCCCGA
>1711346	AC	CAGGGCGTGC	CCAGAGCTGA	GCCGGGCACC	GAGGCCCCGA
>1711346	AC	CAGGGCGTGC	CCAGAGCTGA	GCCGGGCACC	GAGGCCCCGA
Consensus	GGGGCTGTAC	CAGGGCGTGC	CCAGAGCTGA	GCCGGGCACC	GAGGCCCCGA
>1864683	GACACTATGA	TGAAGGCGTT	CGGATGGGCA	GCCTGGGGCT	GTTCTCTGCAG
>1711346	GACACTATGA	TGAAGGCGTT	CGGATGGGCA	GCCTGGGGCT	GTTCTCTGCAG
>1711346	GACACTATGA	TGAAGGCGTT	CGGATGGGCA	GCCTGGGGCT	GTTCTCTGCAG
Consensus	GACACTATGA	TGAAGGCGTT	CGGATGGGCA	GCCTGGGGCT	GTTCTCTGCAG
>1864683	TGCGCCATCT	CCCTGGTCTT	CTCTCTGGTC	ATGGACCGGC	TGGTGCAGCG
>1711346	TGCGCCATCT	CCCTGGTCTT	CTCTCTGGTC	ATGGACCGGC	TGGTGCAGCG
>1711346	TGCGCCATCT	CCCTGGTCTT	CTCTCTGGTC	ATGGACCGGC	TGGTGCAGCG
Consensus	TGCGCCATCT	CCCTGGTCTT	CTCTCTGGTC	ATGGACCGGC	TGGTGCAGCG
>1864683	ATTCGGCACT	CGAGCAGTCT	ATTTGGCCAG	TGTGGCAGCT	TTCCCTGTGG
>1711346	ATTCGGCACT	CGAGCAGTCT	ATTTGGCCAG	TGTGGCAGCT	TTCCCTGTGG
>1711346	ATTCGGCACT	CGAGCAGTCT	ATTTGGCCAG	TGTGGCAGCT	TTCCCTGTGG
Consensus	ATTCGGCACT	CGAGCAGTCT	ATTTGGCCAG	TGTGGCAGCT	TTCCCTGTGG
>1864683	CTGCCGGTGC	CACATGCCTG	TCCCACAGTG	TGGCCGTGGT	GACAGCTTCA
>1711346	CTGCCGGTGC	CACATGCCTG	TCCCA		
>1711346	CTGCCGGTGC	CACATGCCTG	TCCCACAGTG	TGGCCGTGGT	GACAGCTTCA
>1913982					GACAGCTTCA
Consensus	CTGCCGGTGC	CACATGCCTG	TCCCACAGTG	TGGCCGTGGT	GACAGCTTCA
>1864683	GCCGCCCTT				
>1711346	GCCGCCCTCA	CCGGGTTTAC	CTTCTCAGCC	CTGCAGATCC	TGCCCTACAC
>1913982	GCCGCCCTCA	CCGGGTTTAC	CTTCTCAGCC	CTGCAGATCC	TGCCCTACAC
Consensus	GCCGCCCTCA	CCGGGTTTAC	CTTCTCAGCC	CTGCAGATCC	TGCCCTACAC
>1711346	ACTGGCCTCC	CTCTACCACC	GGGAGAAGCA	GGTGTTCCTG	CCCAAATACC
>1913982	ACTGGCCTCC	CTCTACCACC	GGGAGAAGCA	GGTGTTCCTG	CCCAAATACC
Consensus	ACTGGCCTCC	CTCTACCACC	GGGAGAAGCA	GGTGTTCCTG	CCCAAATACC
>1711346	GAGGGGACAC	TGGAGGTGCT	AGCAGTGAGG	ACAGCCTGAT	GACCAGCTTC
>1913982	GAGGGGACAC	TGGAGGTGCT	AGCAGTGAGG	ACAGCCTGAT	GACCAGCTTC
Consensus	GAGGGGACAC	TGGAGGTGCT	AGCAGTGAGG	ACAGCCTGAT	GACCAGCTTC
>1711346	CTGCCAGGCC	CTAAGCCTGG	AGCTCCCTTC	CCTAATGGAC	ACGTGGGTGC
>1913982	CTGCCAGGCC	CTAAGCCTGG	AGCTCCCTTC	CCTAATGGAC	ACGTGGGTGC
>825779			GC'TCCCTTC	CCTAATGGAC	ACGTGGGTGC
Consensus	CTGCCAGGCC	CTAAGCCTGG	AGCTCCCTTC	CCTAATGGAC	ACGTGGGTGC
>1711346	TGGAGGCAGT	GGCCTGCTCC	CACCTCCACC	CGCGCTCTGC	GGGGCCTCTG
>1913982	TGGAGGCAGT	GGCCTGCTCC	CACCTCCACC	CGCGCTCTGC	GGGGC
>825779	TGGAGGCAGT	GGCCTGCTCC	CACCTCCACC	CGCGCTCTGC	GGGGCCTCTG
Consensus	TGGAGGCAGT	GGCCTGCTCC	CACCTCCACC	CGCGCTCTGC	GGGGCCTCTG

Figure 1B

>1711346	CCTGTGATGT	CTCCGTACGT	GTGGTGGTGG	GTGAGCCCAC	CGAGGCCAGG
>825779	CCTGTGATGT	CTCCGTACGT	GTGGTGGTGG	GTGAGCCCAC	CGAGGCCAGG
Consensus	CCTGTGATGT	CTCCGTACGT	GTGGTGGTGG	GTGAGCCCAC	CGAGGCCAGG
>1711346	GTGGTTCCGG	GCCGGGGCAT	CTGCCTGGAC	CTCGCCATCC	TGGATAGTGC
>825779	GTGGTTCCGG	GCCGGGGCAT	CTGCCTGGAC	CTCGCCATCC	TGGATAGTGC
>2626650					TGGATAGTGC
Consensus	GTGGTTCCGG	GCCGGGGCAT	CTGCCTGGAC	CTCGCCATCC	TGGATAGTGC
>1711346	CTTCCTGCTG	TCCCAGGTGG	CCCCATCCCT	GTTTATGGGC	TCCATTGTCC
>825779	CTTCCTGCTG	TCCCAGGTGG	CCCCATCCCT	GTTTATGGGC	TCCATTGTCC
>2626650	CTTCCTGCTG	TCCCAGGTGG	CCCCATCCCT	GTTTATGGGC	TCCATTGTCC
Consensus	CTTCCTGCTG	TCCCAGGTGG	CCCCATCCCT	GTTTATGGGC	TCCATTGTCC
>1711346	AGCTCAGCCA	GTCTGTCACT	GCCTATATGG	TGTC'TGCCGC	AGGCCTGGGT
>825779	AGCTCAGCCA	GTCTGTCA			
>2626650	AGCTCAGCCA	GTCTGTCACT	GCCTATATGG	TGTC'TGCCGC	AGGC : TGGGT
Consensus	AGCTCAGCCA	GTCTGTCACT	GCCTATATGG	TGTC'TGCCGC	AGGCCTGGGT
>1711346	CTGGTCGCCA	TTTACTTTTG	TACACAGGTA	GTATTTGACA	AGAGCGACTT
>2626650	CTGGTCGCCA	TTTACTTTTG	TACACAGGTA	GTATTTGACA	AGAGCGACTT
>1808389					CTT
Consensus	CTGGTCGCCA	TTTACTTTTG	TACACAGGTA	GTATTTGACA	AGAGCGACTT
>1711346	GGCCAAATAC	TCAGCGTAGA	AAACTTCCAG	CACATTGGGG	TGGAGGGCCT
>2626650	GGCCAAATAC	TCAGCGTAGA	AAACTTCCAG	CACATTGGGG	TGGAGGGCCT
>1808389	GGCCAAATAC	TCAGCGTAGA	AAACTTCCAG	CACATTGGGG	TGGAGGGCCT
Consensus	GGCCAAATAC	TCAGCGTAGA	AAACTTCCAG	CACATTGGGG	TGGAGGGCCT
>1711346	GCCTCACTGG	GTCCCAGCTC	CCCGCTCCTG	TTAGCCCCAT	GGGGCTGCCG
>2626650	GCCTCACTGG	GTCCCAGCTC	CC		
>1808389	GCCTCACTGG	GTCCCAGCTC	CCCGCTCCTG	TTAGCCCCAT	GGGGCTGCCG
Consensus	GCCTCACTGG	GTCCCAGCTC	CCCGCTCCTG	TTAGCCCCAT	GGGGCTGCCG
>1711346	GGCTGGCCGC	CAGTTTCTGT	TGCTGCCAAA	GTAATGTGGC	TCTCTGCTGC
>1808389	GGCTGGCCGC	CAGTTTCTGT	TGCTGCCAAA	GTAATGTGGC	TCTCTGCTGC
>1651121		GC	CAGTTTCTGT	TGCTGCCAAA	GTAATGTGGC
Consensus	GGCTGGCCGC	CAGTTTCTGT	TGCTGCCAAA	GTAATGTGGC	TCTCTGCTGC
>1711346	CACCTGTGC	TGCTGAGGTG	CGTAGCTGCA	CAGCTGGGGG	CTGGGGCGTC
>1808389	CACCTGTGC	TGCTGAGGTG	CGTAN: TGCA	CAGCTGGGGG	CTG
>1651121	CACCTGTGC	TGCTGAGGTG	CGTAN: TGCA	CAGCTGGGGG	CTGGGGCGTC
Consensus	CACCTGTGC	TGCTGAGGTG	CGTAG: TGCA	CAGCTGGGGG	CTGGGGCGTC
>1711346	CCTCTCCTCT	CTCCCCAGTC	TCTAGGGCTG	CCTGACTGGA	GGCCTTCCAA
>1651121	CCTCTCCTCT	CTCCCCAGTC	TCTAGGGCTG	CCTGACTGGA	GGCCTTCCAA
Consensus	CCTCTCCTCT	CTCCCCAGTC	TCTAGGGCTG	CCTGACTGGA	GGCCTTCCAA

Figure 1C

>1711346	GGGGGTTTCA	GTCTGGACTT	ATACAGGGAG	GCCAGAAGGG	CTCCATGCAC
>1651121	GGGGGTTTCA	GTCTGGACTT	ATACAGGGAG	GCCAGAAGGG	CTCCATGCAC
>3520833				GCCAGAAGGG	CTCCATGCAC
Consensus	GGGGGTTTCA	GTCTGGACTT	ATACAGGGAG	GCCAGAAGGG	CTCCATGCAC
>1711346	TGGAATGCGG	GGACTCTGCA	GGTGGATTAC	CCAGGCTCAG	GGTTAACAGC
>1651121	TGGAATGCGG	GGACTCTGCA	GGTGGATTAC	NC	
>3520833	TGGAATGCGG	GGACTCTGCA	GGTGGATTAC	CCAGGCTCAG	GGTTAACAGC
Consensus	TGGAATGCGG	GGACTCTGCA	GGTGGATTAC	CCAGGCTCAG	GGTTAACAGC
>1711346	TAGCCTCCTA	GTTGAGACAC	ACCTAGAGAA	GGGTTTTTTGG	GAGCTGAATA
>3520833	TAGCCTCCTA	GTTGAGACAC	ACCTAGAGAA	GGGTTTTTTGG	GAGCTGAATA
Consensus	TAGCCTCCTA	GTTGAGACAC	ACCTAGAGAA	GGGTTTTTTGG	GAGCTGAATA
>1711346	AACTCAGTCA	CCTGGTTTCC	CATCTCTAAG	CCCCTTAACC	TGCAGCTTCC
>3520833	AACTCAGTCA	CCTGGTTTCC	CATCTCTAAG	CCCCTTAACC	TGCAGCTTCC
Consensus	AACTCAGTCA	CCTGGTTTCC	CATCTCTAAG	CCCCTTAACC	TGCAGCTTCC
>1711346	TTTAATGTAG	CTCTTGCAATG	GGAGTTTCTA	GGATGAAACA	CTCCTCCATG
>3520833	TTTAATGTAG	CTCTTGCAATG	GGAGTTTCTA	GGATGAAACA	CTCCTCCATG
Consensus	TTTAATGTAG	CTCTTGCAATG	GGAGTTTCTA	GGATGAAACA	CTCCTCCATG
>1711346	GGATTTGAAC	ATATGAAAGT	TATTTGTAGG	GGAAGAGTCC	TGAGGGGGCAA
>3520833	GGATTTGAAC	ATATGAAAGT	TATTTGTAGG	GGAAGAGTCC	TGAGGGGGCAA
>2188949			GG	GGAAGAGTCC	TGAGGGGGCAA
Consensus	GGATTTGAAC	ATATGAAAGT	TATTTGTAGG	GGAAGAGTCC	TGAGGGGGCAA
>1711346	CACACAAGAA	CCAGGTCCCC	TCAGCCCACA	GCACTGTCTT	TTTGCTGATC
>3520833	CACACAAGAA	CCAGGTCCCC	TCAGCCCACA	GCACTGTCTT	TTTGCTGATC
>2188949	CACACAAGAA	CCAGGTCCCC	TCAGCCCACA	GCACTGTCTT	TTTGCTGATC
Consensus	CACACAAGAA	CCAGGTCCCC	TCAGCCCACA	GCACTGTCTT	TTTGCTGATC
>1711346	CACCCCCTC	TTACCTTTTA	TCAGGATGTG	GCCTGTTGGT	CCTTCTGTTG
>3520833	CACCCCCTC	TTACCTTTTA	TCA		
>2188949	CACCCCCTC	TTACCTTTTA	TCAGGATGTG	GCCTGTTGGT	CCTTCTGTTG
>3497504	CTC	TTACCTTTTA	TCAGGATGTG	GCCTGTTGGT	CCTTCTGTTG
Consensus	CACCCCCTC	TTACCTTTTA	TCAGGATGTG	GCCTGTTGGT	CCTTCTGTTG
>1711346	CCATCACAGA	GACACAGGCA	TTTAAATATT	TAAC TTATTT	ATTTAACAAA
>2188949	CCATCACAGA	GACACAGGCA	TTTAAATATT	TAAC TTATTT	ATTTAACAAA
>3497504	CCATCACAGA	GACACAGGCA	TTTAAATATT	TAAC TTATTT	ATTTAACAAA
Consensus	CCATCACAGA	GACACAGGCA	TTTAAATATT	TAAC TTATTT	ATTTAACAAA
>1711346	GTAGAAGGGA	ATCCATTGCT	AGCTTTTCTG	TGTTGGTGTG	TAATATTTGG
>2188949	GTAGAAGGGA	ATCCATTGCT	AGCTTTTCTG	TGTTGGTGTG	TAATATTTGG
>3497504	GTAGAAGGGA	ATCCATTGCT	AGCTTTTCTG	TGTTGGTGTG	TAATATTTGG
Consensus	GTAGAAGGGA	ATCCATTGCT	AGCTTTTCTG	TGTTGGTGTG	TAATATTTGG

Figure 1D

>1711346	GTAGGGTGGG	GGATCCCCAA	CAATCAGGTC	CCCTGAGATA	GCTGGTCATT
>2188949	GTAGGGTGGG	GGATCCCCAA	CAATCAGGTC	CCCTGAGATA	GCT
>3497504	GTANGGTGGG	GGATCCCCAA	CAATCAGGTC	CCCTGAGATA	GCTGGTCATT
Consensus	GTAGGGTGGG	GGATCCCCAA	CAATCAGGTC	CCCTGAGATA	GCTGGTCATT
>1711346	GGGCTGATCA	TTGCCAGAAT	CTTCTTCTCC	TGGGGTCTGG	CCCCCAAAA
>3497504	GGGCTGATCA	TTGCCAGAAT	CTTCTTCTCC	TGGGGTCTGG	CCCCCAAAA
Consensus	GGGCTGATCA	TTGCCAGAAT	CTTCTTCTCC	TGGGGTCTGG	CCCCCAAAA
>1711346	TGCCTAACCC	AGGACCTTGG	AAATTCTACT	CATCCCAAAT	GATAATTCCA
>3497504	TGCCTAACCC	AGGACCTTGG	AAATTCTACT	CATCCCAAAT	GATAA
>3964174			AAATTCTACT	CATCCCAAAT	GATAATTCCA
Consensus	TGCCTAACCC	AGGACCTTGG	AAATTCTACT	CATCCCAAAT	GATAATTCCA
>1711346	AATGCTGTTA	CCCAAGGTTA	GGGTGTTGAA	GGAAGGTAGA	GGGTGGGGCT
>3964174	AATGCTGTTA	CCCAAGGTTA	GGGTGTTGAA	GGAAGGTAGA	GGGTGGGGCT
Consensus	AATGCTGTTA	CCCAAGGTTA	GGGTGTTGAA	GGAAGGTAGA	GGGTGGGGCT
>1711346	TCAGGTCTCA	ACGGCTTCCC	TAACCACCCC	TCTTCTCTTG	GCCCAGCCTG
>3964174	TCAGGTCTCA	ACGGCTTCCC	TAACCACCCC	TCTTCTCTTG	GCCCAGCCTG
Consensus	TCAGGTCTCA	ACGGCTTCCC	TAACCACCCC	TCTTCTCTTG	GCCCAGCCTG
>1711346	GTTCCCCCA	CTTCCACTCC	CCTCTACTCT	CTCTAGGACT	GGGCTGATGA
>3964174	GTTCCCCCA	CTTCCACTCC	CCTCTACTCT	CTCTAGGACT	GGGCTGATGA
>3705332					A
Consensus	GTTCCCCCA	CTTCCACTCC	CCTCTACTCT	CTCTAGGACT	GGGCTGATGA
>1711346	AGGCACTGCC	CAAAATTTCC	CCTACCCCCA	ACTTTCCCCT	ACCCCCAACT
>3964174	AGGCACTGCC	CAAAATTTCC	CCTACCCCCA	ACTTTNCCCT	ACCCCCAACT
>3705332	AGGCACTGCC	CAAAATNNCC	CCTACCCCCA	ACTTTCCCCT	ACCCCCAACT
Consensus	AGGCACTGCC	CAAAATTTCC	CCTACCCCCA	ACTTTCCCCT	ACCCCCAACT
>1711346	TTCCCCACCA	GCTCCACAAC	CCTGTTTGGA	GCTACTGCAG	GACCAGAAGC
>3964174	TTCCCCACCA	GCTCCACAAC	CCTGTTTGGA	GCTACTGCAG	GT
>3705332	TTCCCCACCA	GCTCCACAAC	CCTGTTTGGA	GCTACTGCAG	GACCAGAAGC
>2270646		CTCCACAAC	CCTGTTTGGA	GCTACTGCAG	GACCAGAAGC
Consensus	TTCCCCACCA	GCTCCACAAC	CCTGTTTGGA	GCTACTGCAG	GACCAGAAGC
>1711346	ACAAAGTGCG	GTTTCCCCAAG	CCTTTGTCCA	TCTCAGCCCC	CAGAGTATAT
>3705332	ACAAAGTGCG	GTTTCCCCAAG	CCTTTGTCCA	TCTCAGCCCC	CAGAGTATAT
>2270646	ACAAAGTGCG	GTTTCCCCAAG	CCTTTGTCCA	TCTCAGCCCC	CAGAGTATAT
>1810610				CC	CAGAGTATAT
Consensus	ACAAAGTGCG	GTTTCCCCAAG	CCTTTGTCCA	TCTCAGCCCC	CAGAGTATAT
>1711346	CTGTGCTTGG	GGAATCTCAC	ACAGAAACTC	AGGAGCACCC	CCTGCCTGAG
>3705332	CTGTGCTTGG	GGAATCTCAC	ACAGAAACTC	AGGAGCACCC	CCTGCNTGAG
>2270646	CTGTGCTTGG	GGAATCTCAC	ACANAAACTC	AGGAGCACCC	CCTGCCTGAG
>1810610	CTGTGCTTGG	GGAATCTCAC	ACAGAAACTC	AGGAGCACCC	CCTGCCTGAG
Consensus	CTGTGCTTGG	GGAATCTCAC	ACAGAAACTC	AGGAGCACCC	CCTGCCTGAG

Figure 1E

>1711346	CTAAGGGAGG	TCTTATCTCT	CAGGGGGGGT	TTAAGTGCCG	TTTGCAATAA
>3705332	CTAAGGGAGG	TCTTATCTCT	CAGGGGGGGT	TTAAGTGCCG	TTTGCAATAA
>2270646	CTAAGGGNGG	TC			
>1810610	CTAAGGGAGG	TCTTATCTCT	CAGGGGGGGT	TTAAGTGCCG	TTTGCAATAA
Consensus	CTAAGGGAGG	TCTTATCTCT	CAGGGGGGGT	TTAAGTGCCG	TTTGCAATAA
>1711346	TGTCGTCTTA	TTTTTTTAGC	GGGGTGAATA	TTTTTACTG	TAAGTGAGCA
>3705332	TGTCGTCTTA	TTTATTTAGC	GGGGTGAATA	TTTTTACTG	TAA
>1810610	TGTCGTCTTA	TTTATTTAGC	GGGGTGAATA	TTTTTACTG	TAAGTGAGCA
Consensus	TGTCGTCTTA	TTTATTTAGC	GGGGTGAATA	TTTTTACTG	TAAGTGAGCA
>1711346	ATCAGAGTAT	AATGTTTATG	GTGACAAAAT	TAAAGGCTTT	CTTATATGTT
>1810610	ATCAGAGTAT	AATGTTTATG	GTGACAAAAT	TAAAGGCTTT	CTTATATGTT
Consensus	ATCAGAGTAT	AATGTTTATG	GTGACAAAAT	TAAAGGCTTT	CTTATATGTT
>1711346	TA				
>1810610	T				
Consensus	TA				

Figure 2

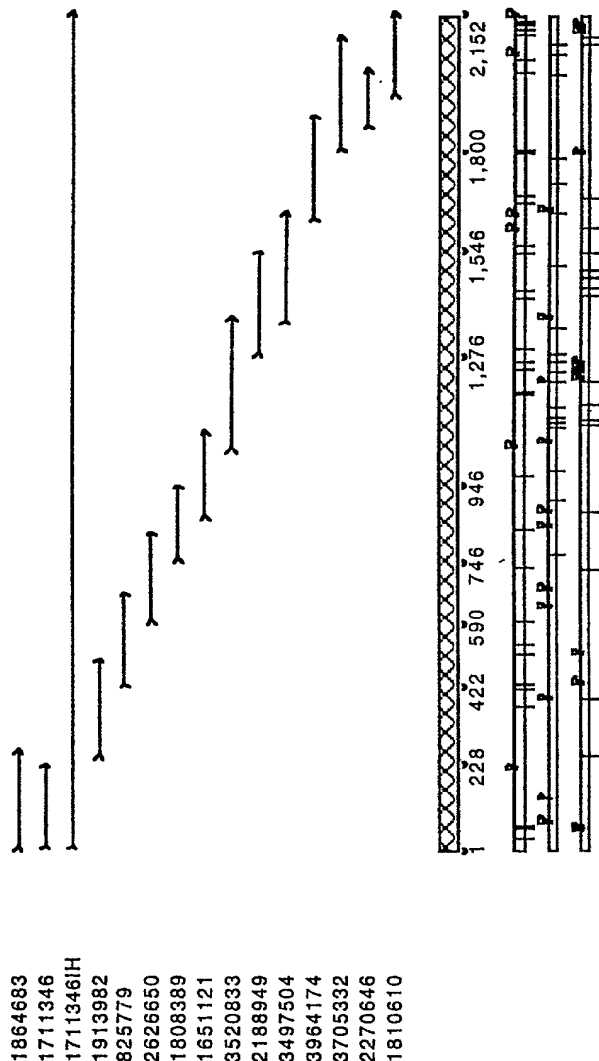
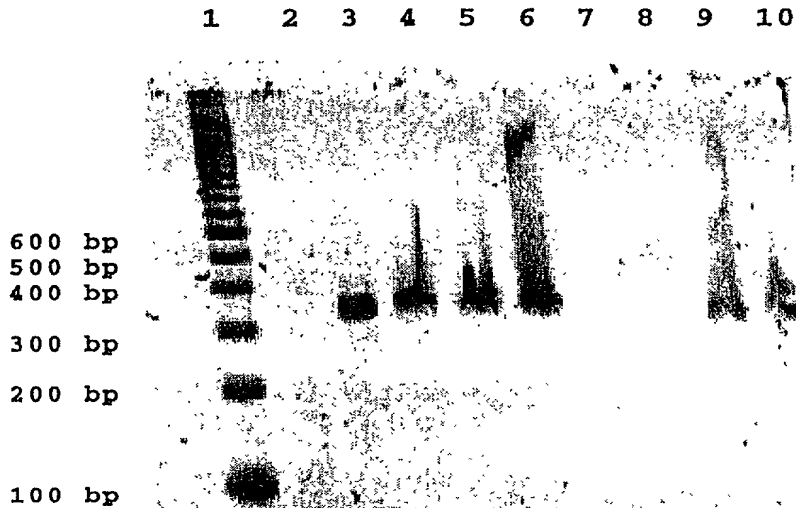
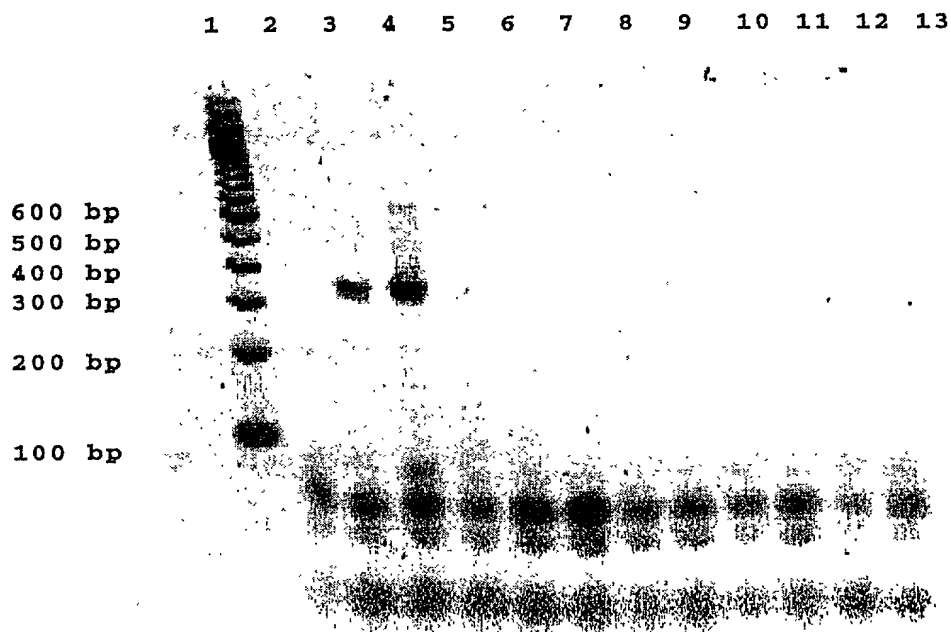


Figure 3A



Lane	Tissue	Lane	Tissue
1	100 bp DNA Marker	6	Prostate BPH
2	Placental DNA	7	Prostate Cancer
3	Prostate BPH	8	Prostate Cancer
4	Prostate BPH	9	Prostate Cancer
5	Prostate Cancer	10	Prostate BPH Diluted duplicate of Lane 6

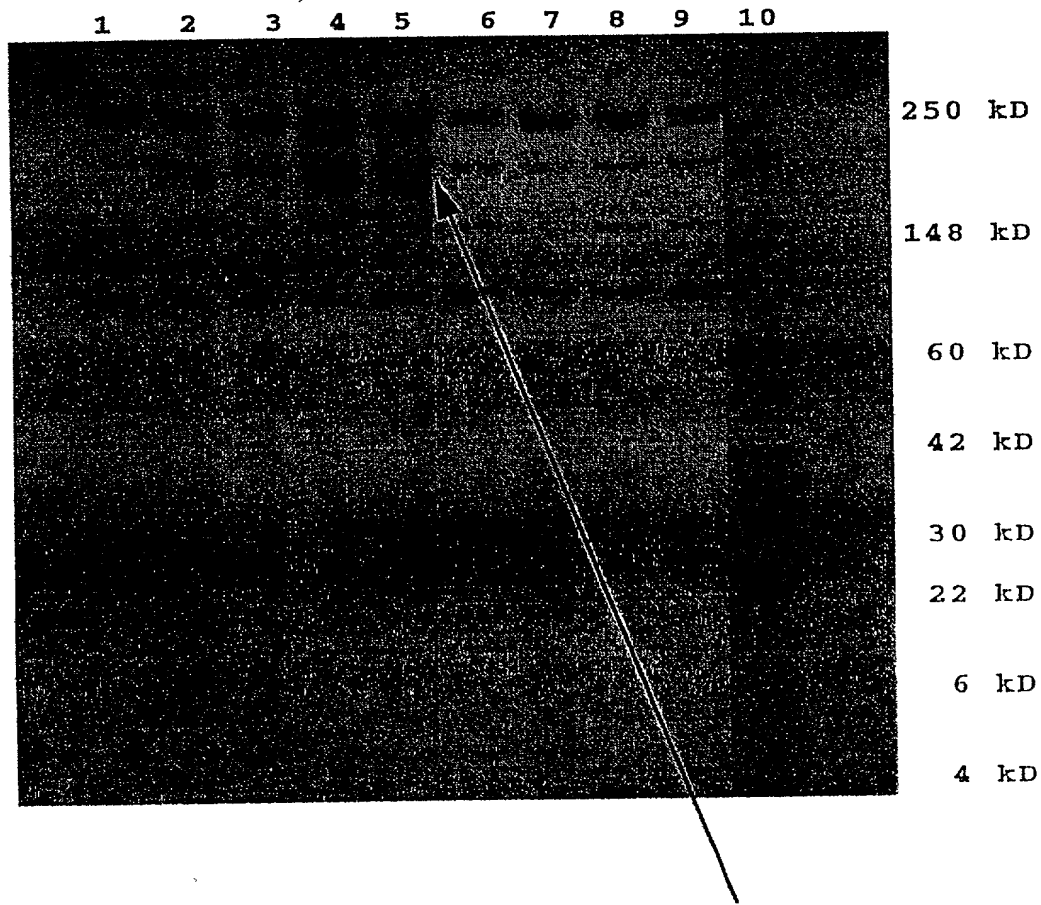
Figure 3B



Lane	Tissue
1	100 bp DNA Marker
2	Placental DNA
3	Prostate BPH
4	Prostate Cancer
5	Colon Cancer
6	Colon Cancer
7	Normal Colon

Lane	Tissue
8	Breast Cancer
9	Breast Cancer
10	Normal Breast
11	Normal Lung
12	Normal Lung
13	Lung Cancer

Figure 4



Lane	Tissue	Lane	Tissue
1	Colon Cancer	6	Normal Lung
2	BPH	7	Normal Lung
3	BPH	8	Breast Cancer
4	BPH	9	Breast Cancer
5	Prostate Cancer	10	Mol Wt Markers